

IN THE CLAIMS:

Entry of the following amendments to the claims is respectfully requested:

10. (currently amended) A motor vehicle sensor system for detecting an outer environment, the sensor system comprising:

at least two camera systems operable to image the outer environment; and
wherein each camera system operates in a different spectral region and is adjusted to a different focal distance range.

11. (previously presented) The sensor system according to claim 10, wherein one of said at least two camera systems is an infrared camera operating in an infrared range.

12. (previously presented) The sensor system according to claim 10, wherein one of said at least two camera systems is a CCD camera.

13. (previously presented) The sensor system according to claim 11, wherein another of said at least two camera systems is a CCD camera.

14. (currently amended) The sensor system according to claim 12, wherein the CCD camera ~~has a focal distance range is for detecting~~ detection within a close range.

15. (currently amended) The sensor system according to claim 13, wherein the CCD camera ~~has a focal distance range is for detecting detection within a~~ close range.

16. (currently amended) The sensor system according to claim 14, wherein ~~the focal distance of the CCD camera for the close range is adjusted to~~ substantially ~~correspond~~ corresponds with a headlight cone range of a vehicle driven with its headlights on.

17. (currently amended) The sensor system according to claim 15, wherein ~~the focal distance of the CCD camera for the close range is adjusted to~~ substantially ~~correspond~~ corresponds with a headlight cone range of a vehicle driven with its headlights on.

18. (previously presented) The sensor system according to claim 10, further comprising an analyzing device operatively coupled with said at least two camera systems and receiving inputs therefrom.

19. (previously presented) The sensor system according to claim 18, wherein said analyzing device includes means for performing differential contrast evaluation.

20. (previously presented) The sensor system according to claim 18, further comprising:

- a memory device in which is stored a visual range model; and
- a visual range determining device operatively coupled to the memory device, said visual range determining device operating to draw a conclusion with respect to a visual range from information from the analyzing device.

21. (previously presented) The sensor system according to claim 20, wherein said information from the analyzing device is differential contrast evaluation information.

22. (previously presented) The sensor system according to claim 19, further comprising:

- a memory device in which is stored a visual range model; and
- a visual range determining device operatively coupled to the memory device, said visual range determining device operating to draw a conclusion with respect to a visual range from information from the analyzing device.

23. (previously presented) The sensor system according to claim 22, wherein said information from the analyzing device is differential contrast evaluation information.

24. (currently amended) A motor vehicle, comprising:
a vehicle body;
at least two camera systems arranged in a forward portion of the vehicle body for imaging areas in a traveling direction of the motor vehicle;
wherein each of said at least two camera systems has a different spectral operating region; and
further wherein each of said at least two camera systems is adjusted to a different focal distance range in the traveling direction.

25. (previously presented) The motor vehicle according to claim 24, wherein one of said at least two camera systems is an infrared camera operating in an infrared spectral region.

26. (previously presented) The motor vehicle according to claim 24, wherein one of said at least two camera systems is a CCD camera.

27. (previously presented) The motor vehicle according to claim 25, wherein another of said at least two camera systems is a CCD camera.

28. (currently amended) The motor vehicle according to claim 26, wherein said CCD camera is ~~adjusted to a focal distance~~ range corresponds ~~corresponding~~ with a headlight cone range of a headlight arranged in the forward area of the vehicle.

29. (currently amended) The motor vehicle according to claim 27, wherein said CCD camera ~~is adjusted to a focal distance~~ range corresponds ~~corresponding~~ with a headlight cone range of a headlight arranged in the forward area of the vehicle.

30. (previously presented) The motor vehicle according to claim 24, further comprising an analyzing device operatively coupled to said at least two camera systems, said analyzing device outputting a display signal.

31. (previously presented) The motor vehicle according to claim 30, further comprising a display arranged in an interior of the vehicle within a driver's viewing range, said display receiving the display signal from the analyzing device to provide environmental situation information to the driver.